Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/29/2021 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122586	-2	4.22	122536	4.17
Blue	F	SSC	125000	122405	-3	4.77	122886	4.66
Blue	E	FITC	14284	13623	-5	4.70	381	14.99
Blue	D	PE	23919	23234	-3	4.48	551	11.91
Blue	B	PerCP-Cy5-5	31332	30493	-3	5.11	870	16.80
Blue	A	PE-Cy7	22272	21695	-3	6.89	447	33.63
Red	C	APC	47768	47495	-1	2.97	1635	12.01
Red	A	APC-Cy7	25313	24628	-3	3.36	696	13.17
Violet	B	V450	7085	6744	-5	4.65	469	12.28
Violet	A	V500	26969	25747	-5	4.37	882	9.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23175	5.21	594	5	N/A	N/A	Pass
Blue	F	SSC	54104	4.42	528	7	N/A	N/A	Pass
Blue	E	FITC	57	55.60	500	-1	0.0352	7	Pass
Blue	D	PE	105	42.07	498	1	0.3400	286	Pass
Blue	B	PerCP-Cy5-5	134	45.74	589	1	0.0162	60	Pass
Blue	A	PE-Cy7	74	85.53	636	1	0.0186	0	Pass
Red	C	APC	337	27.70	582	2	0.0259	219	Pass
Red	A	APC-Cy7	128	37.07	555	0	0.0055	1260	Pass
Violet	B	V450	79	46.33	459	-4	0.0430	1485	Pass
Violet	A	V500	102	33.11	470	-4	0.0242	1017	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.69	-31.18	1.00
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.80	13.60 - 20.40	N/A	N/A	29.49	29.92	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14135

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments